ž.		Recei	ving Rep	ort					
	ate: <u>4/7/3/</u> upplier: <u>W} W/</u>	<del></del>	Batch No: <u>M//233/</u> Dart P/O:/0/23						
Packing Slip: Invoice: Receipt: Discrepancies	Yes No No Cash Cr	× S Q	elease Note A Vaybill Attache hipment Com C6 Inspection Vork Order	ed: Ye plete: Ye		0 N/A 0 N/A N/A N/A t			
Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments			
M343	ono XI-no	S	U	J	8	·			
,	·								
		Initials	of receiver	if shipment (	OK) Level	12			
Date	Received/Costing 10123								

H:\FORMS\Purchasing\approved purch\RECREPORT Rev D



# Magna Stainless

5775 Kieran St, Saint-Laurent QC H4S 0A3 Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105

# INVOICE

Pg 1 of 1

I014832



SOLD TO:

DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY , ON K6A 1K7 SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN STREET

HAWKESBURY K6A 1K7 , ON

MTR:Y

07/31/09	
07/23/09	
07/31/09	
W016220	
PO10123	
	07/23/09 07/31/09 W016220

			D	Ship Via		F.O.B.	Te	rms
Currency			es Person	NIR:R-557065-1 PREPAID		NET 30 DA	YS	
CANADIAN DOLLARS ERYCK BLAIS					Shipped	Price Per	Value	
n Back Ordered	Ordered Unit			Description	Стррои	<u>-</u>		
		1 PC		2" X 3 1/2" X 144"		1 UN	825.00	825.00
		3 PC	L029896 ASH 2024-T3 . L029897	1 PC/129 LB 080 X 48" X 144" 3 PC/169 LB		3 UN	345.00	1,035.00
		3 PC	ALUMINUM SH ASH 2024 T3.0 L029898	EET 40" x 48" x 144" 3 PC/85 LB		3 UN	285.00	855.00 <b>(</b>
		1 PC	STAINLESS -	X 4" X 12'3"		1 UN	225.00	225.00
		1 PC	17-4 PH 3/8"	1 PC/41 LB X 1" X 13' 1 PC/16 LB		1 UN	115.00	115.00
	14							
						·		

08/03/09 10:46:48

Merchandise: 3,055.00
Surcharges:
No Tax Costs:
GST 152.75
Total Due: 3,207.75

Title to the goods sent out on this invoice remains with Magna Stainless Div of CSM ULC until such time as this invoice has been paid in full. Unless otherwise noted terms are 30 days. Interest accrues on all overdue accounts at the rate of 1.5% per month compounded monthly.

Q.S.T. # 1213236471 G.S.T. # 881565899 RT0001

# **Purchase Order Receipt Listing**

July 31, 2009 11:23:12 AM

All amounts are calculated in domestic currency.

All Vendors PO ID po10123 All Receipt Dates All Line Item Types All Item ID/GL/WOs All Rec. Employees All Currencies Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vend	dor Name	vC-MAG002 Mag	na Stainless							•
PO10123	1	M174B0.250X4.0		7/27/09	7/31/09	12.3000	\$22.50	0.0000	0	, Y #276.75
CAD	No	17-4 SS Bar .250 3 4.00	K f	10.0000	Stores	12.3000	\$276.75	0.0000	0	CZ \$276.75
		112331								
	2	M174B0.375X1.00	00 f	7/27/09	7/31/09	13.0000	\$11.50	0.0000	0	¢¥ \$149.50
	No	17-4 SS Bar .375 x	f f	10.0000	Stores	10.000	\$149.50	0.0000	0	CX \$149.30
		1.00 112331								
	3	M2024T3S.080	sf	7/27/09	7/31/09	144.0000	\$10.78	0.0000	0	C\(\mathcal{2}\)\\$1,552.32
	No	2024-T3 .080 shee	t sf	128.0000	Stores		\$1,552.32	0.0000	0	CX \$1,332.32
		112331					7.,	0.0000	Ū	,*
	4	M2024T3S.040	sf <sup>*</sup> .	7/27/09	7/31/09	144.0000	\$8.91	0.0000	0	14 \$1,283.04
	No	2024-T3 .040 sheet	sf'	128.0000	Stores		\$1,283.04	0.0000	0	(1)
	e	112331	1							
	5 No	M303R0.500	f '	7/27/09	7/27/09	50.0000	\$1.70	0.0000	0	\$85.00
	110	303 Round Bar 0.500"	f <sub>I</sub>	40.0000	Stores		\$85.00	0.0000	0	
		112290								
	6	M304B0.500X2.50		7/27/09	7/30/09	12.0000	\$21.50	0.0000	0	\$258.00
	No	304 BAR .500 x 2. 112320	50 f	20.0000	Stores		\$258.00	0.0000	0	
	7									
	/ No	M304B0.625X3.00 304 BAR .625 X 3.		7/23/09	7/30/09	13.1000	\$31.00	0.0000	0	\$406.10
	110	112320	00 1	10.0000	Stores		\$406.10	0.0000	0	-
	8	M304S12GA	sf	7/27/09	7/27/09	32.0000	\$8.13	0.0000	0	\$240.00
•	No	304/316 0.100" Sh	eet sf	32.0000	Stores	32.0000	\$260.00	0.0000	0	\$260.00
		112290					\$200.00	0.0000	V	
•	9	M304S16GA	sf	7/27/09	7/27/09	192.0000	\$4.94	0.0000	0	\$948.00
	No	304/316 Sheet .063	3 sf	192.0000	Stores		\$948.00	0.0000	0	Ψ2-10.00
		112290							Ť	



## **Magna Stainless**

5775 Kieran St, Saint-Laurent, Quebec H4S 0A3 Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105

## **PACKING LIST**

I014832 Page: 1 of 1

SOLD TO: DART AEROSPACE LTD 1270 ABERDEEN STREET

SHIP TO: DART AEROSPACE LTD 1270 ABERDEEN STREET

SPECIAL INSTRUCTIONS

HAWKESBURY , ON K6A 1K7

Contact: LINDA

HAWKESBURY , ON

K6A 1K7

Ship Terms: PREPAID

Currency	Sales Person	Customer Phone	Customer Fax	Customer PO
CANADIAN DOLLARS	ERYCK BLAIS	(613) 632-5200	(613) 632-1053	PO10123

Sales Order	Terms	Ship Via	Date Ordered	Date Required	Date Shipped
W016220	NET 30 DAYS L Z	NIR:R-557065-1	07/23/09	07/30/09	07/31/09

Ordered	Back Ordered	Unit	Description	Bundle #	Heat #	Shipped
1			ALUMINUM - LB 7075-T73 2 1/2" X 3 1/2" X 144" 129 LB / 1 PC ASH 2024-T3 .080 X 48" X 144"	L029896	MA00807833	1 1 3
9				L029897	455978A7	3
3		PC	ABOMINOM SHEET  ASH 2024 T3.040" x 48" x 144"  / 85 LB / 3 PC	L029898	459800A9	<b>3</b>
1			STAINLESS - LB 17-4 PH 1/4" X 4" X 12'3" 41 LB / 1 PC	L029899	674304	1
1		PC	17-4 PH 3/8" X 1" X 13'	L029900		1
Bundles: 1	Skids: 1	Piec	es: 1	Total	Weight:	440 LB

Received by:	Date:		Signature:	
--------------	-------	--	------------	--



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

## **PURCHASE ORDER**

### Purchase Order ID PO10123

Purchase Order Date 7/23/2009 PO Print Date 7/23/2009

Page Number 1 of 3

Order From:

VC-MAG002

MAGNA STAINLESS 5775 RUE KIERAN ST LAURENT, QC H4S 0A3 CA

Contact Name

Vendor Phone

800 363 6646

Vendor Fax

514 339 1105

Vendor Account Nbr

Buyer

Linda Lacelle

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency...

\_CAD\_

FOB

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable Unit of	Req Qty/ Ship Method Measure	Unit Price	Extended Price
1 M	174B0.250X4.000	17-4 SS Bar .250 X 4.00	7/27/2009 Yes	10.00 Yours ppd	\$22.5000 [C]/1/3]	\$225.00
		Special Inst:	17-4 PH SS BAR PER AMS 5604/5643 GRAIN MUST BE ALC BAR YTS = 100KS1 UTS = 150KS1			
2 M	174B0.375X1.000	17-4 SS Bar .375 x 1.00	7/27/2009 Yes	10.00 Yours ppd f New 12	\$13.5000	\$115.00
	, <del>.</del>	Special Inst:	AS ABOVE			
3 N	12024T3\$.080	2024-T3 ,080 sheet	7/27/2009 Yes	128.00 Yours ppd V sf /49/29/1/3	\$10.7800	\$1,379.84

Special Inst:

4 SHEETS OF 4' X 8'

2024-T3 ALUM SHEET

PER AMS-QQ-A-250/4 OR AMS4037

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required when applicable

Change Nbr:

Change Date: 7/23/2009



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

#### **PURCHASE ORDER**

#### Purchase Order ID PO10123

Purchase Order Date 7/23/2009 PO Print Date 7/23/2009

Page Number 2 of 3

(	Order From:  MAGNA STAINLE 5775 RUE KIERAN ST LAURENT, QC CA	1	V	C-MAG002				
	Contact Name Vendor Phone Vendor Fax Vendor Account Nbr	800 363 6646 514 339 1105		<del>-</del>	sition Nbr esale Nbr	Linda Lacelle 10127-2607 Net 30 CAD		
4	M2024T3S.040	2	024-T3 .040 sheet	7/27/2009 Yes	128.00 sf	Yours ppd RIEW 14	\$8.9100 1 Kg/V3)	\$1,140.48
			Special Inst:	4 SHEETS OF 4' X SPECS AS PER A				•
5	M303R0.500	30	03 Round Bar 0.500"	7/27/2009 Yes	40.00 f	Yours ppd  Nous pp	\$1.7000 (LD) f (4/1/24	\$68.00
			Special Inst:	AISI 303 ROUND (AISI 304/316 NO		E)		
6	M304B0.500X2.50	0 30	04 BAR .500 x 2.50	7/27/2009 Yes	<b>∠</b> 20.00 f	Yours ppd  New 12 /	\$21.5000 PS(E) ( E4/7/3	\$430.00
	•		Special Inst:	AISI 304/316 SS B (AISI 303 NOT AC				
7	M304B0.625X3.00	0 30	04 BAR .625 X 3.00	7/23/2009 Yes		Yours ppd	\$31.0000 9/1/30	\$310.00
	*	•	Special Inst:	AS ABOVE				
8	M304S12GA	36	04/316 0.100" Sheet	7/27/2009 Yes	32.00 sf	Yours ppd Pc 4/7/57	\$8.1250	\$260.00
			Special Inst:	AISI 304/316 SS S	HEET			

No substitution or deviation without

Certificate of Conformity or Material Certification required when applicable

Change Nbr:

Change Date: 7/23/2009

ANNEALED 2B FINISH



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

#### **PURCHASE ORDER**

#### Purchase Order ID PO10123

Purchase Order Date 7/23/2009 PO Print Date 7/23/2009

Page Number 3 of 3

Order From:

VC-MAG002

MAGNA STAINLESS 5775 RUE KIERAN ST LAURENT, QC H4S 0A3

CA

Contact Name

Vendor Phone

800 363 6646

Vendor Fax

514 339 1105

Vendor Account Nbr

Buyer

Linda Lacelle

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms Currency Net 30

CAD

FOB

M304S16GA

304/316 Sheet .063

7/27/2009

V192.00

\$4.9375

\$948.00

Yes

Special Inst:

AS ABOVE

10 M7075T73B2.500X03.25 7075-T73 Bar 2.50 x 3.25

7/27/2009 Yes 1/12.00

Yours ppd

\$0.00

Special Inst:

7075-T6 (OR T651/T6510/T6511/T62)

ALUM BAR

PER AMS-QQ-A-225/9(OR

AMS4122/4123/4186/4187) OR PER AMS-

QQ-A-200/11

PO Total:

\$4,876.32

MATERIAL CERTIFICATION REQ'D UPON DELIVERY

> No substitution or deviation without consent.

Certificate of Conformity or Material Certification required when applicable

Change Nbr:

Change Date: 7/23/2009

06/17/08 12:59:01

Alcoa Global Hard Alloy Extrusions Massena Operations

Park Avenue East, Massena, NY 13662

Yarde Metals Ship To

Customer

Customer P.O. No. P801210D002

3,075 lbs

2.50000 x 3.50000 IN

Customer Part No.

Alcoa Order No. MMC-85697- -025

Govt. Contract No.

We hereby certify that the material covered in this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and have the mechanical properties shown on the face of this sheet. Manufactured under an ISO/QS-9000 registered quality management system. Melted and manufactured in the USA.

Thomas J. Klemp, Quality Assurance Manager

Config 12 FT

Product CFRB-CF RECT Specific Length Shape REC

BOL 000156342

QRR

Alloy - Temper Specifications:

Date Shipped

QCA-225/9E AMS-QQA-225/9 AMS-4124D ASTM B211-03

Material conforms to T73 requirements

06/17/08

7075-T7351

8 01/07/31

Product produced and marked to the requirements of AMS-QQ-A-225/9 also meets the requirements of QQ-A-225/9. Product produced and marked to the requirements of QQ-A-225/9 also meets the requirements of AMS-QQ-A-225/9.

Weight Shipped

Size

TEST REQUIREMENTS Miax	U.T.S.	Test T.Y.S.	Test %Elong	Test Cond	Test	Test	Test	Test	Test :	7
est Results Min		67.9 56.0	10.0	38.0				,	-4.	Test
No. of Tests  MA008078331 1 Max.	Test 	Test T.Y.S.	Test %Elong	Test Cond	Test	Test	Test	Test	Test	T
EST ABBREVIATIONS U.T.S. Ultimate Tensile Strength KSI	70.9	60.9 60.9	14.0 14.0	41.0 41.0		<del></del> <u>.</u> .				Test
Cond Conductivity % IACS  furnihum Association Chemical Composition L		T.Y.S.	Tensile y	ield Strength K	SI	i	%Elong	Elongation		

Aluminum Association Chemical Composition Limits (in Weight %)

ALLOY	%SI %FE %CU %	MN %MG %CB		
7075	MAX 0.40 0.50 2.0 0.3	20 29 %CH %ZN %TI	96 Ochona in o	
	17.2	2.7		
Actual Started Chemistry		2.7 0.18 5.1	Each Total	
LOTWORK ORDER				,

LOTWORK ORDER	%SI %45E			1
MA008078331	MAX 0.08 0.24 1.7 0.04 2.5 0.20 MIN 0.08 0.24 1.6 0.04 2.5 0.20	0.03 117 A AE 1.7 A	%AL	
NOTES:	0.04 2.4 0.20	5.8 0.03	5 Rem	
Mercury is not a normal and			1	1

Mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product. This alloy meets the requirements of EU 2002/95/EC (RoHS) and EU 2000/53/EC for lead, mercury, cadmium and hexavalent chromium.

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- P. C. C.
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SHIP TO:								Trentwood Works - Spokane, WA 99215 Phone: (800) 367-2586					
SOLD TO:								CERTIFIED TEST REPORT Serial Number 4152023					
CUSTOMER PO NUMBE P81009DK001	R:	WO	RK PACI	KAGE:	C	USTOMER PA	RT NUMBER	₹.			RUN/LOAD ID:	GOV'1	CONTRACT NUMBER:
KAISER ORDER NO: 1075951 WEIGHT SHIPPED: 3266 LB	5 QUANTI	D00		9 2024 NUMBER:		BARE GAUGE:	CLAD: TEMPER: SARE T3 AUGE:			101450/16 R: PRODUCT		DESCRIPTION: STRETCH LENGTH:	
***************************************			71.	202	10	75	0.08001	N		$\perp$	48.000 IN		144.000 IN

**Certified Specifications** 

AMS-QQ-A-250/4/RevA CMMP 019/RevD ASTM B 209/Rev07 CMMP 025/RevR Test Code: 1504 **Test Results** Lot: 455978A7 Cast 449 Drop 40 Ingot 2 (ASTM E8/B557) Tensile: Dir / # Tests Temper Ultimate KSI (MPA) Yield KSI (MPA) **T3** LT / 2 (Min:Max) Elongation % 67.0:68.2 45.6 : 46.0 19.0:19.3 (462 : 470) (314:317) (ASTM E1251) Chemistry: SI FE CU MN MG CR Actual ZN TI 0.09 0.25 ZR 4.4 0.58 OTHER 1.3 0.01 0.21 0.02 0.01 0.01 TOT **ALLOY LIMITS** Chemistry: SI FE CU MN MG 2024 MIN CR ZN 0.00 71 0.00 ZR OTHER 3.8 0.30 1.2 0.00 MAX MAX 0.00 0.00 0.50 0.50 0.00 0.00 4.9 0.9 **EACH** 0.05 1.8 0.10 0.25

Aluminum Remainder TEST NOTES

2024-T351 plate 3.001-4.000" thick, if ultrasonically inspected, meets requirements of CMMP025 per SDR CMMP025-KaiserT-2,

Page 1 of 2

TOT

0.15

\$90727DG005-5 MAGNA STAINLESS PO: P006142 Part #:

AMS 4037/RevN

3.00PC 169.00LB Inc 07~30-09

0.15

0.05

0.05



Trentwood Works - Spokane, WA 99215 Phone: (800) 367-2586

# CERTIFIED TEST REPORT

Serial Number 4152023

#### CERTIFICATION

CERTIFICATION

KAISER ALUMINUM FABRICATED PRODUCTS, LLC (KAISER) HEREBY CERTIFIES THAT METAL SHIPPED UNDER THIS ORDER WAS MELTED IN THE UNITED STATES OF DEARS 252.225 FOR DOMESTIC CONTENT. THIS MATERIAL HAS BEEN INSPECTED. TESTED, AND FOUND IN COMFORMANCE WITH THE REQUIREMENTS OF APPLICABLE SPECIFICATIONS AS INDICATED HEREIN, ALL METAL WHICH IS SOLUTION HEAT TREATED COMPLIES WITH AMS 2772. ANY WARRANTY IS LIMITED TO THE WRITTEN APPROVAL OF KAISER'S STANDARD GENERAL TERMS AND CONDITIONS OF SALE. TEST REPORTS SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT OR STATEMENTS OF THE WRITTEN APPROVAL OF KAISER ALUMINUM FABRICATED PRODUCTS, LLC LABORATORY. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS BILL POYNOR, LABORAT ORIES OF THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. ISO-9001:2000 CERTIFIED.

Page 2 of 2

Inc 07-30-09

\$90727DG005-5 MAGNA \$TAINLESS PO: P006142 Part #:

3.00PC 169.00LB

SHIP TO:				•	•	T		AL	L/M rks - S	///V spoka	<b>ER</b> UM ane, WA 99215 7-2586
SOLD TO:						- (	CER	TIFIE	D TE	ST	REPORT
								Se	rial No 41563		r
CUSTOMER PO NUMBE P90126DK005	R:	wo	RK PAC	(AGE:	CUSTOMER PA	ART NUMBER	:	SHIP RUNA		GOV"	T CONTRACT NUMBER:
KAISER ORDER NO:	LINEIT		7 5445 5		<del></del>		·	101485/1	2		
1080194	5	em:	SHIP D	ATE: R-2009	ALLOY: 2024	CLAD: BARE	TEMPI T3		PRODUCT		
WEIGHT SHIPPED:	QUANT	ITY:			UMBER:	GAUGE:	113		MILL FI	VISH S	1
77010			2021	716		0.0400 IN		WIDTH: 48.000 IN		LENGTH: 144.000 IN	
			۳.	_ 0	Certified S	pecificat	tions				

AMS-QQ-A-250/4/RevA CMMP 025/RevR Test Results

Drop 22

Diop &

Ingot 3

(ASTM E8/8557)
Tensile: Tem

Test Code: 1504

ensile: Temper Dir / # Tests

AMS 4037/RevN

CMMP 019/RevD

Lot: 459800A9 Cast 453

LT / 2 (Min:Max)

Ultimate KSI (MPA) 66.8 : 67.6

(461:466)

44.7 : 45.3 (308 : 312)

Yield KSI (MPA)

Elongation % 18.2 : 18.8

ASTM B 209/Rev07

(ASTM E1251)

Chemistry: SI FE CU MN MG CR ZN TI ZR OTHER Actual 0.08 0.23 4.6 0.63 1.3 0.01 0.18 0.01 0.01 0.01 TOT 0.03

ALLOY LIMITS

Chemistry: SI F€ CU MN MG **CR** ZN TI ZR OTHER MAX 2024 MIN 0.00 0.00 3.8 0.30 1.2 0.00 0.00 0.00 0.00 0.00 **EACH** 0.05 MAX 0.50 0.50 4.9 0.9 1.8 0.10 0.25 0.15 0.05 TOT 0.15 Aluminum Remainder

**TEST NOTES** 

2024-T351 plate 3.001-4.000° thick, if ultrasonically inspected, meets requirements of CMMP025 per SDR CMMP025-KaisorT-2.

Page 1 of 2

Inc 07-30-09

S90727DG005-4 MAGNA STAINLESS PO: P006142 Part f: 3.00PC 85.00LB



Trentwood Works - Spokane, WA 99215 Phone: (800) 367-2586

## **CERTIFIED TEST REPORT**

Serial Number 4156330

#### CERTIFICATION

KAISER ALUMINUM FABRICATED PRODUCTS, LLC (KAISER) HEREBY CERTIFIES THAT METAL SHIPPED UNDER THIS ORDER WAS MELTED IN THE UNITED STATES OF AMERICA OR A QUALIFYING COUNTRY PER OFARS 225.872-18), WAS MANUFACTURED IN THE UNITED STATES OF AMERICA, AND MEETS THE REQUIREMENTS OF OFARS 252.225 FOR DOMESTIC CONTENT. THIS MATERIAL HAS BEEN IMPRICED. TESTED, AND FOUND IN COMPORMANCE WITH THE REQUIREMENTS OF THE APPLICABLE SPECIFICATIONS AS INDICATED HEREIN. ALL METAL WHITCH IS SOLUTION HEAT TREATED COMPLIES WITH AMS 2772. ANY WARRANTY IS LIMITED TO THAT SHOWN ON KAISER'S STANDARD GENERAL TERMS AND CONDITIONS OF SALE, TEST REPORTS SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF KAISER ALUMINUM FABRICATED PRODUCTS. LLC LABORATORY. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTIRES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW, ISO-9001:2000 CERTIFIED.

Page 2 of 2

Inc 07-30-09

.,			Abnahmo	Meingunslürg	ill Yest Certicale/Cortif.			
BOLLIN	GH/	7ns		E	V 10204:2004 / 3.1	de Qualidade		No.: / Nr.: /Nr. 0000064623
Bollingh aus Poni	LICEL Aco		t	Josere innere	Verweisung /Our Int. R	ef/ N/ ref int	Dot-	
DIN EN TÚV CERT	1SO 9001	:2000			5600010587 0000		Datur	n / Date / Date 02 06.2009
				Norma	n / Standards / Norn	100		
AISI 630/17.	4PH, tol.	acc. to ASTM A	184/A484N	A-08, specifics	illions acc. to: ASTM A31	70.00 A50		
W 364. AS	1M FB99	-09, MTR agg. to	EN 10204	1/3,1	n / Standards / Norn Itions acc. to: ASTM A3	70-09, A564/A58	54M-04, E370, AMS 5	643R. ASME SA 3
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								_
	Kund	e / Customer /	Cliente	***************************************	Enc	legulliger Kunde	/ Final Customer /	@ C/
					1	J: J= -10.120	TT III CUSIONIGI )	23.
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Bostoll Nr /Order Nr	/ Enc Nr.	P9031	9AM005		<u> </u>			<u> </u>
Pudos					Bestell Nr / Orde	r Nr / Enc Nr	90319AMQQGH	2 <sub>y</sub>
		nd / Product / P	rodulo		Gewicht / We	ight / Peso	Bunde /	Bundle / Atados
AISI T630 FI	LAT 4:	x 1/4"			s	600 fb		Course , Misgos
Werkstoff-Nr.								01
Material no		1.4542	,	Werkstoff-No	rmbezeichnung / Materi	ial standard grad	le / Norma do maleri	al
Qualidade		1.4042			630			•••
			Bo	eschreibung	/ Description / Descr			
Stainless steel flu US DFAR 252 22	at bars,	hot rolled solution				içao		
US DFAR 252,27	25-7014:	MELT SOURCE	· France /	u, straightener	5. pickled			
			· rance /	Mrs: Ponuga	11.			
Schmelzen Nr.	<del></del>			~~~~				
Schmolzen Nr. Cast nr. / Fusão nr.		Ci	ernische	Analyse in %	6 / Chemical composit	ion in % / Ansi	IRR (Ittimina om t/	
Cast nr. / Fusto nr.	C:				6 / Chemical composit	lion in % / Anali	ise quimica em %	
Cast nr. / Fusto nr.	C:	0.024 S1:			6 / Chemical composit	s: 0.018		Ni : 4 670
G74304 4	C:	0.024 \$1:	0 290	0 Mn: 0	.760 P: 0.030	S: 0.018		Ni: 4 530
Cast nr. / Fusiko nj. 674304 j		0.024 S1:	0.061	0 Mn: 0	T04 D.			Ni: 4530
674304 1		0.024 S1: 0.210 Co:	0.061	Cu: 3	P: 0.030 .190 N: 0.029	S: 0.018	Cr: 15 350	4 530
GAST Nr. / FUSBO NI.  G74304 4  EAF M  Proben Nr		0.024 S1:  0.210 Co:  ASTM E399  Kerbschlegarbort Impact Tost	0.061	Cu: 3	.760 P: 0.030 .190 N: 0.029	S: 0.018  Ti: 0.022  ASTM A370  Zugfastigkeit	Cr: 15 350 Nb: 0 210 Cebnung	TA: 0.000
674304 1		0.024 S1: 0.210 Co: ASTM E399 Kerbschlegerbort Impact Test Resklence	0.061	Cu: 3  Streckgrenze Yield point Tensão limite	P: 0.030 .190 N: 0.029	S: 0.018  T1: 0.022  ASTM A370	Cr: 15 350 Nb: 0 210 Ochnung	Ta: 0.000  Enschnuring Roduction of area
G74304 4 EAF M Proben Nr Test no.		0.024 S1:  0.210 Co:  ASTM E399  Kerbschitigsnibori Impact Tost Restiència (Charpy V)	0.061	Cu: 3  Streckgranza Yield poul Tensão limito Rp 0.2 %	.190 N: 0.029  Datappende 1% point L-mite de extensão Rp 1,0%	S: 0.018  Ti: 0.022  ASTM A370  Zugfastigkai  Tensile strength  Tensile of roture	Cr: 15 350 Nb: 0 210 Cebnung	Ta: 0.000  Exischnurung Roduction of area Coal Estrição
G74304 4 EAF M Proben Nr Testino.		0.024 S1: 0.210 Co: ASTM E399 Kerbschlegerbort Impact Test Resklence	0.061	Sireckgranza Yield powni Tensdo imito Rp 0.2 % [Ksi]	Detargrants 190 N: 0.029  Detargrants 1% point Limits de extensão Rp 1,0% (Ks1)	S: 0.018  Ti: 0.022  ASTM A370  Zupfastigkeit Tenside strength Tenside de roture	CE: 15 350  ND: 0 210  Ochoung Elongston Alongsmento A (ASD-SOmm)	Ta: 0.000  Exischnuruny Roduction of area Coef Estrição 2 (A50-50mai)
G74304 4 EAF M Proben Nr Test no. Amostre no		0.024 S1:  0.210 Co:  ASTM E399  Kerbschitigsnibori Impact Tost Restiència (Charpy V)	0.061	Cu: 3  Streckgranza Yield poul Tensão limito Rp 0.2 %	.190 N: 0.029  Datappende 1% point L-mite de extensão Rp 1,0%	S: 0.018  Ti: 0.022  ASTM A370  Zugfastigkai  Tensile strength  Tensile of roture	Cr: 15 350 ND: 0 210  Ochnung Elongation Alongamento	Ta: 0.000  Enschuzung Roduction of area Coef Estrição Z (A50-50mm)
G74304 4 EAF M Proben Nr Test no. Amostre no		0.024 S1:  0.210 Co:  ASTM E399  Kerbschitigsnibori Impact Tost Restiència (Charpy V)	0.061	Sireckgranza Yield powni Tensdo imito Rp 0.2 % [Ksi]	Detargrants 190 N: 0.029  Detargrants 1% point Limits de extensão Rp 1,0% (Ks1)	S: 0.018  Ti: 0.022  ASTM A370  Žugfestigkės  Tensile siterigiii  Tensile protirio  Rm  {Ksij	Cr: 15 350 ND: 0 210  Ochnung Elongation Alongamento A (ASD-Somm) (%)	Ta: 0.000  Exischnuruny Roduction of area Coef Estrição 2 (A50-50mai)
EAF M  Proben Nr  Yest no. Allostre no		0.024 S1:  0.210 Co:  ASTM E399  Kerbschitigsnibori Impact Tost Restiència (Charpy V)	0.061	Sireckgranza Yield powni Tensdo imito Rp 0.2 % [Ksi]	Detargrants 190 N: 0.029  Detargrants 1% point Limits de extensão Rp 1,0% (Ks1)	S: 0.018  Ti: 0.022  ASTM A370  Žugfestigkės  Tensile siterigiii  Tensile protirio  Rm  {Ksij	Cr: 15 350 ND: 0 210  Ochnung Elongation Alongamento A (ASD-Somm) (%)	Ta: 0.000  Enschuzung Roduction of area Coef Estrição Z (A50-50mm)
G74304 4 EAF M Proben Nr Test no. Amostre no		0.024 S1:  0.210 Co:  ASTM E399  Kerbschitigsnibori Impact Tost Restiència (Charpy V)	0.061	Sireckgranza Yield powni Tensdo imito Rp 0.2 % [Ksi]	Detargrants 190 N: 0.029  Detargrants 1% point Limits de extensão Rp 1,0% (Ks1)	S: 0.018  Ti: 0.022  ASTM A370  Žugfestigkės  Tensile siterigiii  Tensile protirio  Rm  {Ksij	Cr: 15 350 ND: 0 210  Ochnung Elongation Alongamento A (ASD-Somm) (%)	Ta: 0.000  Enschuzung Roduction of area Coef Estrição Z (A50-50mm)
G74304 4  EAF M  Proben Nr Test no. Amostre no. 3017922.01.01	to:	0.024 S1:  0.210 Co:  ASTM E399  Rerbschtagarbon Impact Tost Residencia (Charpy V)  {J1	0.061	Cu: 3 Sireckgrenze Yield point Tensdo limite Rp 0.2 % [KSt] 182' 5	Detargrants 190 N: 0.029  Detargrants 1% point Limits de extensão Rp 1,0% (Ks1)	S: 0.018  Ti: 0 022  ASTM A370  Zupfastigkeit Tensile strenight Tensile orlutio Rm {Ksi]  210.6	Cr: 15 350 Nb: 0 210  Ochnung Elongston Alongsment A (ASO-Somm) (%) 11.2	Ta: 0.000  Enschuzung Roduction of area Coef Estrição Z (A50-50mm)
G74304 4  EAF M  Proben Nr Test no. Amostro no  3017922.01.01	(S)	0.024 S1:  0.210 Co:  ASTM E399  Kerbechtegarbon Impact Tost Residence {Churpy V)  [J]  AS	0.061	Cu: 3 Sireckgrenze Yield point Tensdo limite Rp 0.2 % [KSt] 182' 5	Detargrants 190 N: 0.029  Detargrants 1% point Limits de extensão Rp 1,0% (Ks1)	S: 0.018  Ti: 0.022  ASTM A370  Zupfastupkai Tensilo strengin Tensilo oteroturo Rm (Kst) 210.6	Cr: 15 350 ND: 0 210  Ochnung Elongation Alongamento A (ASD-Somm) (%)	Ta: 0.000  Enschuzung Roduction of area Coef Estrição Z (A50-50mm)
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G74304 1 G74304 1 EAF M Proben Nr Testino. Amostre no 3017922.01.01	(SI) Ok	0.024 S1:  0.210 Co:  ASTM E399  Kerbschlagarbon Impact Tost Restläncia (Charpy V)  [J]  AS  Harie Heridness Dureza  Mikroskopische Un	0.061	Streckgrenze Yield point Tensde limite RP 0.2 % IKSt] 182' 5	Dehngiente 156 point Limite de extensée Rp 1,0% (Ks1) 194 6  Komusionabeslandigked ic Test Corrosée Intercristelma	S: 0.018  Ti: 0.022  ASTM A370  Zugfestigkeit Tensels strength Tensels strength Tensels de roture  Rm (Kst) 210.6	Cr: 15 350  Nb: 0 210  Ochoung Elongation Alongamento A (ASD-SOmm) (%) 11.2  Wimebehandlung eat Irealment rationents shrinton	Ta: 0.000  Evischnurung Roduction of area Coal Esticko Z (A50-50mm) { % } 51 4
G74304 4 G74304 4 EAF M Proben Nr Test no. Amostre no 3017922.01.01	(S) Ok	0.024 S1:  0.210 Co:  ASTM E399  Kerbschiegerbon Impact Tost Resilièncie (Charpy V)  { J1  Harie Herdness Outeza  Mikroskopische Un	0.061	Streckgrenze Yield point Tensde limite RP 0.2 % IKSt] 182' 5	Dahngiente 196 N: 0.029  Dahngiente 196 point Limite de extensão Rp 1,0% (KSI) 184 6  Konusionabestandigked KC Test Corrosão intercristelina	S: 0.018  Ti: 0.022  ASTM A370  Zupfastupkai Tensila siterupin Tensila ode rotura Rm (Kst) 210.6	Cr: 15 350  ND: 0 210  Ochnuing Elongetion Alongemento A (ASD-Sommi) (%) 11.2  Virmebehandlung leat treatment retonients sémico  Solution Annea (6 hrs. leaungbehandlung leaunghandlung leaungbehandlung (6 hrs. leaungbehandlung leaungbehandlung (6 hrs. leaungbehandlung leaungbehandlung (7 hrs. leaung (7 hrs. lea	Ta: 0.000  Evischnurung Roduction of area Coal Esticko Z (A50-50mm) { % } 51 4
G74304  EAF M  Proben Nr  Fest no. Amostro no  3017922.01.01  Visuega Kontrolle Visual Inspection Inspector visual  ASTM A484  MANONTONION	(SI) Ok	0.024 S1:  0.210 Co:  ASTM E399  Kerbschtagerbot Impact Tost Restlibnota (Charpy V)  { J1 }  AS  Itane Herdness Dureza Mikroskopische Un Microstucture Anal approved per AMS	0.061 0.061 0.061 0.061	Streckgrenze Yield point Tensdo innto RP 0.2 % IKSt] 182'5	Dehngrente 196 point Lemite de extensão Rp 1,0% (KS1) 194 6  Korrusionabestandigkes Ko Test Corrosão Intercustalana Werkszonverstar Guality Control Repre	S: 0.018  Ti: 0.022  ASTM A370  Žugfastugkaš Tensila strangih Tensila de rotura  Rm (Ksil)  210.6	Cr: 15 350  Nb: 0 210  Ochoung Elongation Alongamento A (ASD-SOmm) (%) 11.2  Wimebehandlung eat Irealment rationents shrinton	Ta: 0.000  Evischnurung Roduction of area Coal Esticko Z (A50-50mm) { % } 51 4
Gest nr. / Fusse nr.  G74304  EAF M  Proben Nr Test no. Amostre no  3017922.01.01  Visuella Kontrolle Visual Inspection Inspecta visual  ASTM A484  Malikontrolle Ichsional inspection peocôd amensional	(S) Ok	0.024 S1:  0.210 Co:  ASTM E399  Kerbschiegerbon Impact Tost Resiliènces (Charpy V)  { J1  Harie Herdness Outeza  Mikroskopische Un Microstucture Anal approved per AMS	0.061	Streckgrenze Yield point Tensdo imite Rp 0.2 % [Ksr] 182'5	Dehngrente 196 point Lemite de extensão Rp 1,0% (KS1) 194 6  Korrusionabestandigkes Ko Test Corrosão Intercustalana Werkszonverstar Guality Control Repre	S: 0.018  Ti: 0.022  ASTM A370  Žugfastugkaš Tensila strangih Tensila de rotura  Rm (Ksil)  210.6	Cr: 15 350  ND: 0 210  Cehaung Elongetion Mongetion A(ASD-Somm) (%) 11.2  Winnebehandlung leat Irealment stimited Solution Annea (6 hrs.)  leatungbahandlung	Ta: 0.000  Evischnurung Roduction of area Coal Esticko Z (A50-50mm) { % } 51 4
G74304  EAF M  Proben Nr Testino. Amostre no  3017922.01.01  Visuella Kontrolle Visuell inspection (naspecça visuel  ASTM A484  Malkontrolle ensonal mapection acçae amenisional	(E) Ok	0.024 S1:  0.210 Co:  ASTM E399  Kerbschtagarbot Impact Tost Restlibnet (Charpy V)  { J1 }  AS  Itale Herdness Dureza  Mikroskopische UI Microslucture Anal approved per AMS	0.061 0.061 0.061 0.061 0.061 0.061 0.061 0.061 0.061 0.061 0.061	Streckgrenze Yield point Tensdo innto RP 0.2 % [Kst] 182'5	Dahngiente 196 N: 0.029  Dahngiente 196 point Limite de extensio Rp 1,0% (Ks1) 184 6  Konusionabestandigked iC Test Corrosto Intercristelma Werksachvarister Gually Control Repre	S: 0.018  Ti: 0.022  ASTM A370  Zupfastupkai Tensios isterupin Tensido de roturo Rm (Ksi) 210.6	Cr: 15 350  Nb: 0 210  Cehoung Elongston Alongsmento A (ASD-50mm) (%) 11.2  Winnebehandlung deal (realment artoniento thrmico — Solution Annea (6) hrs. leiungbahandlung ing Trealment Assio de envethecimento	Ta: 0.000  Eurschnurung Roduction of area Coat Estrição 2 (A50-S0mm) 1 % ) 51 4
G74304  EAF M  Proben Nr Fest no. Aniostre no  3017922.01.01  Visvella Kontrolle Visual inspection	SO Ok	O.024 S1:  O.210 CO:  ASTM E399  Kerbschiagarion Impact Tost Restidence {Charpy V}  {JI}  Harie Herdness Oureza  Mikroskopische Ur Microstuctura Anal approved per AMS  Materiat free from Galacts	0.061 0.061	Streckgrenze Yield posit Tensdo innto RP 0.2 % IKSt] 182'5	Definition of the control of the con	S: 0.018  Ti: 0.022  ASTM A370  Župfastupkaš Tensilo strengin Tensilo strengin Tensilo strengin (Kst) 210.6	Cr: 15 350  ND: 0 210  Ochnung Elongston Alongemento A (ASD-Somm) (%) 11.2  Virmebehandlung last treatment rationanta térmico Solution Annea (6 hrs. leiungbehandlung ling Treatment spind de envelhecimento  451  11900 ( 900°F 1860	Ta: 0.000  Eurschnurung Roduction of area Coaf Estricko Z (A50-50mm) { % } 51 4
G74304  EAF M  Proben Nr Test no. Amostre no  3017922.01.01  Visvella Kontrolle Visual Inspection Inspecça visual  ASTM A484 Mathonicolle Chain inspection acção amensional rechsiungsprixung Test of identify a de identificação	(SI) Ok Ok (SI) Ok	O.024 S1:  O.210 Co:  ASTM E399  Kerbschiagarion Impact Tost Restidence {Charpy V}  {JI}  ASTM E399  Kerbschiagarion Impact Tost Restidence {Charpy V}  {JI}  Makroskopische Ur Microstuctura Anal approved par AMS  Makroskopische Ur Microstuctura Anal approved par AMS	0.061 0.061	Streckgrenze Yield point Tensdo innto RP 0.2 % [Kst] 182'5	Dahngiente 15% point Limite de extensée Rp 1,0% (Kst) 194 6  Komusionabeslandigkei Kortest Corrosée Intercristelina Werksachverister Guality Control Repre- inspector de Gual José Santo Böllinghau	S: 0.018  Ti: 0.022  ASTM A370  Župfastupkai Tensias iteratin Tensiao de rotura Rm (Kst) 210.6	Cr: 15 350  ND: 0 210  Ochnuing Elongetion Alongemento A (ASD-Sommi) (%) 11.2  Virmebehandlung leat treatment retoniento térmico Solution Annea (6 hrs. leiumphehandlung ing Treatment abio de envelhecimento 44:11900 (900°F, 11400 - ACOS ESDECIE	Ta: 0.000  Eurschnurung Roduction of area Coaf Estricko Z (A50-50mm) { ½ } 51 4
G74304  EAF M  Proben Nr Fest no. Aniostre no  3017922.01.01  ASTM A484  Mathonicolle Prescho respection Pre	(S) Ok Ok Ok Ok Ok	O.024 S1:  O.210 Co:  ASTM E399  Kerbschiagarbot Impact Tost Restidence {Charpy V}  {JI  Harie Herdness Outeza  Mikroskopische Ur Microstuctura Anal approved per AMS  Materiat free from dalacts cmarks / Observer, no word repair of	0.061 0.061	Streckgrenze Yield posit Tensdo innto RP 0.2 % IKSt] 182'5	Dahngiente 15% point Limite de extensée Rp 1,0% (Kst) 194 6  Komusionabeslandigkei Kortest Corrosée Intercristelina Werksachverister Guality Control Repre- inspector de Gual José Santo Böllinghau	S: 0.018  Ti: 0.022  ASTM A370  Zuglestigkeit Tensies strength Tensido de roturo Rm (Kst) 210.6	Cr: 15 350  Nb: 0 210  Cehnung Elongston Alongsmento A (ASD-Somm)  (%) 11.2  Vármebehandlung east irealment rationishts tármico — Solution Annea — Solution Annea — (6 hrs.  leiumphehandlung ing fresiment hasio de envethecimento  1900 ( 900°F, 1Hou - AÇOS ESPECIE is Malarisi der oban gani	Ta: 0.000  Eurschnurung Roduction of area Coaf Estricko Z (A50-50mm) { ½ } 51 4
G74304  EAF M  Proben Nr Fest no. Aniostre no  3017922.01.01  Visvella Kontrolle Visual inspection	(S) Ok Ok Ok Ok Ok	O.024 S1:  O.210 Co:  ASTM E399  Kerbschiagarbot Impact Tost Restidence {Charpy V}  {JI  Harie Herdness Outeza  Mikroskopische Ur Microstuctura Anal approved per AMS  Materiat free from dalacts cmarks / Observer, no word repair of	0.061 0.061	Streckgrenze Yield posit Tensdo innto RP 0.2 % IKSt] 182'5	Dahngrente 1% point Lenite de extensão Rp 1,0% (Ks1) 194 6  Konusionabestandigked fo Test Cornos éo Intercentalma Werkszonvaister Quality Control Repre- Inspector de Qual José Sante Böllinghau Hiermit bastal	S: 0.018  Ti: 0.022  ASTM A370  Žugfastugkaš Tensala strangin Tensalo de roturo  Rm (Ksi) 210.6	Cr: 15 350  ND: 0 210  Oehnung Elongston Mongemento A (ASD-Somm) (%) 11.2  Wirmebehandlung leat treatment restonents dimico Solution Annea (6 hrs lesungbehandlung ling Treatment abio de envethecimento  11900 ( 900*F. 1Hou- AÇOS ESPECIE Materials doben gant entispanch	Ta: 0.000  Evischnurung Roduction of area Coal Estricto Z (A50-50mm)
G74304  EAF M  Proben Nr Fest no. Aniostre no  3017922.01.01  ASTM A484  Mathonicolle Prescho respection Pre	(S) Ok Ok Ok Ok Ok	O.024 S1:  O.210 Co:  ASTM E399  Kerbschiagarbot Impact Tost Restidence {Charpy V}  {JI  Harie Herdness Outeza  Mikroskopische Ur Microstuctura Anal approved per AMS  Materiat free from dalacts cmarks / Observer, no word repair of	0.061 0.061	Streckgrenze Yield posit Tensdo innto RP 0.2 % IKSt] 182'5	Dahngiente 196 N: 0.029  Dahngiente 196 point Limite de extensão Rp 1,0% (Ksi) 184 6  Konusionabestandigkei ko Test Corrosão intercristetina Werksachvarister Quality Control Repre Inspector de Guest José Santo Böllinghau Hiermil beatal	S: 0.018  Ti: 0.022  ASTM A370  Zupfastigkeit Tensies strength Tensies strength Tensido de roture Rm (Kst) 210.6	Cr: 15 350  Nb: 0 210  Ochnung Elongston Alongsmento A (ASD-Somm) (%) 11.2  Virmebehandlung leat treatment retoniento thrmico Solution Annea (6) hrs leiumphehandlung leiumphehandlung leiumphehandlung leiumphehandlung ing Treatment Absio de envethecimento  1900 ( 900°F, 1Hou - AÇOS ESPECIE Material der oban geni entspricht spacification according longsment	Ta: 0.000  Edischnurung Roduction of area Coat Estrição 2 (A50-50mm) 1 % ) 51 4  Siled 1900 °F  Edischurung Roduction air Ais, SA annion The mentioned
FAF M  Proben Nr Test no. Amostro no  3017922.01.01  ASTM A484  Mathonicolle ensional inspection englo questions englo questio	(S) Ok Ok Ok Ok Ok	O.024 S1:  O.210 Co:  ASTM E399  Kerbschiagarbot Impact Tost Restidence {Charpy V}  {JI  Harie Herdness Outeza  Mikroskopische Ur Microstuctura Anal approved per AMS  Materiat free from dalacts cmarks / Observer, no word repair of	0.061 0.061	Streckgrenze Yield posit Tensdo innto RP 0.2 % IKSt] 182'5	N: 0.029  Dahngiente 15% point Limite de extensio Rp 1,0% (Ks1) 184 6  Konusionabestandigked ic Test Corrosto Intercristetina Werksachvarister Quality Control Repre Inspector de Qual Hiermal bastal We confirm that this m	S: 0.018  Ti: 0.022  ASTM A370  Zupfastigkeit Tensies strength Tensies strength Tensido de roture Rm (Kst) 210.6	Cr: 15 350  ND: 0 210  Ochnung Elongston Alongemento A (ASD-Somm) (%) 11.2  Virmebehandlung leat treatment retonente stemico Solution Annea (6 hrs lesungbehandlung lest treatment retonente stemico - Solution Annea (6 hrs lesungbehandlung lest greatment - Acos Especie Malarist der oben gent entspnont specification secording interpation secording interpation secording interpation secording interpation secording interpation secording	Ta: 0.000  Earschnurung Roduction of area Coat Estricko Z (ASO-SOmm) [%] 51 4  Siled 1900 °F  Ear   Cool in air Ear   Co

BULLINGHAU	S		S Certifone/Certil. do Qualid.		<b>१८००८४६ । १४</b> ५:		
Böllinghaus Portugal Aços Esp DIN EN ISO 9001-200 TÜV CERT NO 01 100 03	eciais, SA 0		weisung /Our Int. Ref/ N/ ref 0009623 000020		Datum / Date / Data 29.09.2008		
		Normen / £ 06-b, specification	standards / Normas ns ecc. lo: AMS 5643R, ASTI	M 584/A5	564M-04, ASME SA56	4-04, ASTM F899-0	
Kunde / (	Customer / Cliente	·	Endegüllige	r Kunde	/ Final Customer / Clid	ente Final	
-		•	,		Sec.	500	
Bestell Nr./Order Nr./ Enc Nr.	P80422AM004		Bostell Nr./ Order Nr./ Eng	c Nı	P80422AM.02	refero	
AISI 630 FLAT 1 x 3/8	/ Product / Produto		Gewicht / Weight / P 3,907 lb	'eso	Bunde / E	Bundle / Atados 02	
Werkstoff-Nr. Material-no. 1.45 Qualidade	542	Werkstoff-Normb	pezeichnung / Materiel stand 30	lard grad	le / Norma do material		
Stainless steel flat bars, hot in US OFAR 252,225-7014: ME Schmelzen Nr. Cast nr. / Fusion nr. 420348 C:	LT SOURCE: Germany	/ MFG: Portugal. Analyse in % /	Chemical composition in		lao quimica om "		
EAF Mo:	0.070 Co: 0.030	Cu: 3.070		, 0.001	Nb: 0.260	N1: 4.500 	
Probon Nr. Teat no. Anustre no.	ASTM E399 Kertischlagerbelt Impact Yest Rosilléncia {Charpy V}	Streckgrenze Yield point Yensão traite Rp 0,2 [Ksi]	Dehngrenze Zugi 1% polm Tensil Limito de extensão Tensil	M A370 lostlokelt le elrength o de rotura	Defining Elegation	Einschnärung Reduction of area Coef. Estrição Z (A50-50mm)	
4034110.01.01	- (J)		199.7		11 (%)	54%)	
Visuelle Kontrotte Visuel Inspection Inspecção visual Ok	ASTM E37 Hardess Durezs	325	Koxrosionabaständigkeit IC Test	Į.	Wärmebehandlung Haat trastment Fratamento térmico	<del></del> -	
Maskontrolle	ikroskopische Untersuch u lorostructure Analysis oproved per AMS 2315		Corrosão intercristatina Worksachverständiger Quelity Control Representativ Inspector da Quelidade	<b></b>	Solution Annea (6 hr: Korungbehandlung Iging Treetment Inspire de envelhectmente		
Varwachslungsprüfung (X) Yest of Identity Teste de Mentificação Ok	Makroskopische Unter Macrostructure And Material free from segragatio delects.	eiayki on (E)	José Santos	4	43 14900 { 900°F, 1Ho	20 HB ur ) Cool in air	
Bemerkungen / Ren orial is free of mercury contamination.	narks / Observações	Ok	Sp We confirm that this material according	ir, dass da pazifikatio maets the	es Malenal der oben gen n entspricht.	en nten	